



## Culminating Task: What am I Drinking?



You are going to receive a sample of drinking water and it will be up to your group to determine what ions are present in the drinking water – you will be given the choice between 2 or 3 ions that are possibly present in the water.

You will decide how you are going to test your sample and create a flow chart to organize your testing. Upon approval from you teacher, you will test your water sample to determine the contaminant present.

You will then research the effects of your contaminant as well as how our drinking water is treated. This portion of the assignment requires you to create a video, using a program such as Animoto, or by creating a screencast using Jing or Camtasia, or by creating an online poster, using a program such as Glogster. If you have any other technologies you would like to use, please consult your teacher for approval.

Your final product should include (each student will individually submit):

- ✓ Flow chart
- ✓ Justification of identity of contaminant
- ✓ All balanced, total and net ionic equations of relevant substances, including states and ion charges
- ✓ Video or online poster on water quality

See links below for further details of each component of the assignment.